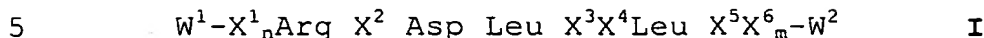


Patent Claims

1. Peptide compounds of the formula I



in which:

10       $X^1, X^2, X^3, X^4, X^5, X^6$  each independently of one another are an amino acid residue, the amino acids independently of one another being selected from a group consisting of Ala, Asn, Asp, Arg, Cys, Gln, Glu, Gly, Phe, His, Ile, Leu, Lys, Met, Nle, homo-Phe, Phg, Pro, Ser, Thr, Trp, Tyr or Val, and the amino acids mentioned possibly also being

15      derivatized,

$W^1$  is H or Ac,

$W^2$  is OH, OR, NHR,  $NR_2$ ,  $NH_2$ ,

R is alkyl having 1-6 C atoms and

20      n, m each independently of one another are a number from 0-15.

2. Peptide compounds according to Claim 1, in which  $X^2$  is an amino acid residue which is selected from the group consisting of Thr, Ser, Asp or glycine.

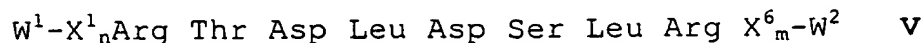
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3. Peptide compounds according to Claim 1, in which  $X^3$  is an amino acid residue selected from the group consisting of Asp, Glu, Arg, Lys, His or Tyr.

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4. Peptide compounds according to Claim 1, in which  $X^4$  is an amino acid residue selected from the group consisting of Ser, Tyr, Thr, Gly or Val.

- 35      5. Peptide compounds according to Claim 1 as in the formula V



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having the meanings indicated in Claim 1.

6. Peptide compound according to Claim 5 as in formula VI

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$W^1-X^1_n\text{Arg Thr Asp Leu Asp Ser Leu Arg Thr } X^6_{m-1}-W^2$  VI

7. Peptide compounds of the formula I or II according to Claims 1 to 6 and their physiologically acceptable salts as medicaments.

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8. Medicament according to Claim 7 as an inhibitor for the control of disorders which are based on an expression and pathological function of  $\alpha_v\beta_6$  integrin receptors.

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9. Medicament according to Claim 8 for the control of thromboses, cardiac infarct, coronary heart disorders, arteriosclerosis, tumours, osteoporosis, fibrosis, inflammations, infections, psoriasis and for influencing wound healing processes.

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10. Pharmaceutical preparation comprising at least one medicament according to one of Claims 7 to 9 and, if appropriate, vehicles and/or excipients and, if appropriate, other active compounds.

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11. Use of peptide compounds according to Claims 1 to 6 and/or their physiologically acceptable salts for the production of a medicament for controlling disorders which are based on an expression and pathological function of  $\alpha_v\beta_6$  integrin receptors.

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12. Use according to Claim 11 for the production of a medicament for controlling thromboses, cardiac infarct, coronary heart disorders, arteriosclerosis, tumours, osteoporosis, fibrosis,

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inflammations, infections, psoriasis and for influencing wound healing processes.

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5 13. Recombinant DNA comprising a sequence which codes for a peptide section which corresponds to a peptide compound of Claims 1-6.

14. Recombinant virus DNA according to Claim 13.

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10 15. Virus, characterized in that it possesses a coat protein which has a sequence which corresponds to a peptide compound of Claims 1-6.

15 16. Use of a virus according to Claim 15 for the production of a medicament for controlling disorders which are based on an expression and pathological function of  $\alpha_v\beta_6$  integrin receptors.

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